

Claims

I claim:

1. In a transmission housing in which a fragile pin serves as retention means for an axle for one or more spider gears in a differential carrier, the improvement comprising
 - a) a sleeve which encircles the differential carrier inside the transmission housing at a point in which the axle is mounted for rotation in the differential carrier;
 - b) means to attach said sleeve to a ring of a ring and pinion of the differential carrier;
- whereby when the fragile pin becomes disengaged with the axle, said sleeve retains the axle within the differential carrier preventing the axle from damaging the transmission housing.
2. The improvement of Claim 1, wherein said sleeve further comprises an annulus having a width at least as great as a diameter of the axle.
 3. The improvement of Claim 2, wherein said means to attach said sleeve comprises a pair of legs extending from opposed edge portions of said annulus, each of said legs having a laterally extending foot.
 4. The improvement of Claim 3 wherein each said foot has a hole there through which overlies a bore in the ring of the differential carrier.